DLI 8800 Mobile POS Tablet

Product Manual

Rev. 4

computing without boundaries

Disclaimer

Data Ltd., Inc. (DLI) reserves the right to make changes in specifications and other information contained in this document without prior notice, and the reader should in all cases consult DLI to determine whether any such changes have been made. The information in this publication does not represent a commitment on the part of DLI.

DLI shall not be liable for technical or editorial errors or omissions contained herein: nor for incidental or consequential damages resulting from the furnishing performance, or use of this material.

This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be photocopied, reproduced, or translated into another language without the prior written consent of DLI.

© 2011 Data Ltd., Inc. All rights reserved.

Web Address: www.dataltd.com

Trademarks

DLI 8800 is a trademark or registered trademark of Data Ltd., Inc.

Windows CE, Windows XP, Windows Embedded XP, Windows Tablet PC, ActiveSync, and the Windows logos are trademarks or registered trademarks of Microsoft Corporation.

The Bluetooth trademarks are owned by Bluetooth SIG, Inc., USA and licensed to DLI

The Adaptus trademark is owned by Honeywell Inc., and licensed to DLI

The Symbol & Motorola trademarks are owned by Motorola Corporation, USA and licensed to DLI

The PenMount trademarks are owned by PenMount International Corp. and licensed to DLI
Other product names mentioned in this manual may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

Table of Contents

Thank You! 3
DLI 8800 Peripherals and Accessories 3
Hardware Overview 4
Setting Up the DLI 8800 Terminal 8
Unpack the Carton and Verify its Contents 9
Battery Status LED's 9
Charging the Battery in the DLI 8800 9
Power Management Utility 10
Adjusting the Backlight 11
Using the Stylus 12
Using the Programmable Keys 14
SIM Card Insertion 18
Using the WiFi Radio 19
Using the Bluetooth Radio 21

Using the RS-232 DB9M 29
Using the Barcode Scanner 32
Biometric Reader 32
DLI 8800 Desktop Cradle 33
Installing the Vehicle Mount Cradle 36
Shipping your DLI Device 37
Technical Assistance 39
Product Service and Repair 39
Limited Warranty 39
Regulatory and Safety Approvals for the DLI 8800 40
FCC Compliance 42

Thank You!

Data Ltd Inc. would like to thank you for selecting the DLI 8800. The DLI 8800 was designed as a forward thinking product that is modular in design and upgradeable. We thank you the customer for giving us the inspiration for the following features:

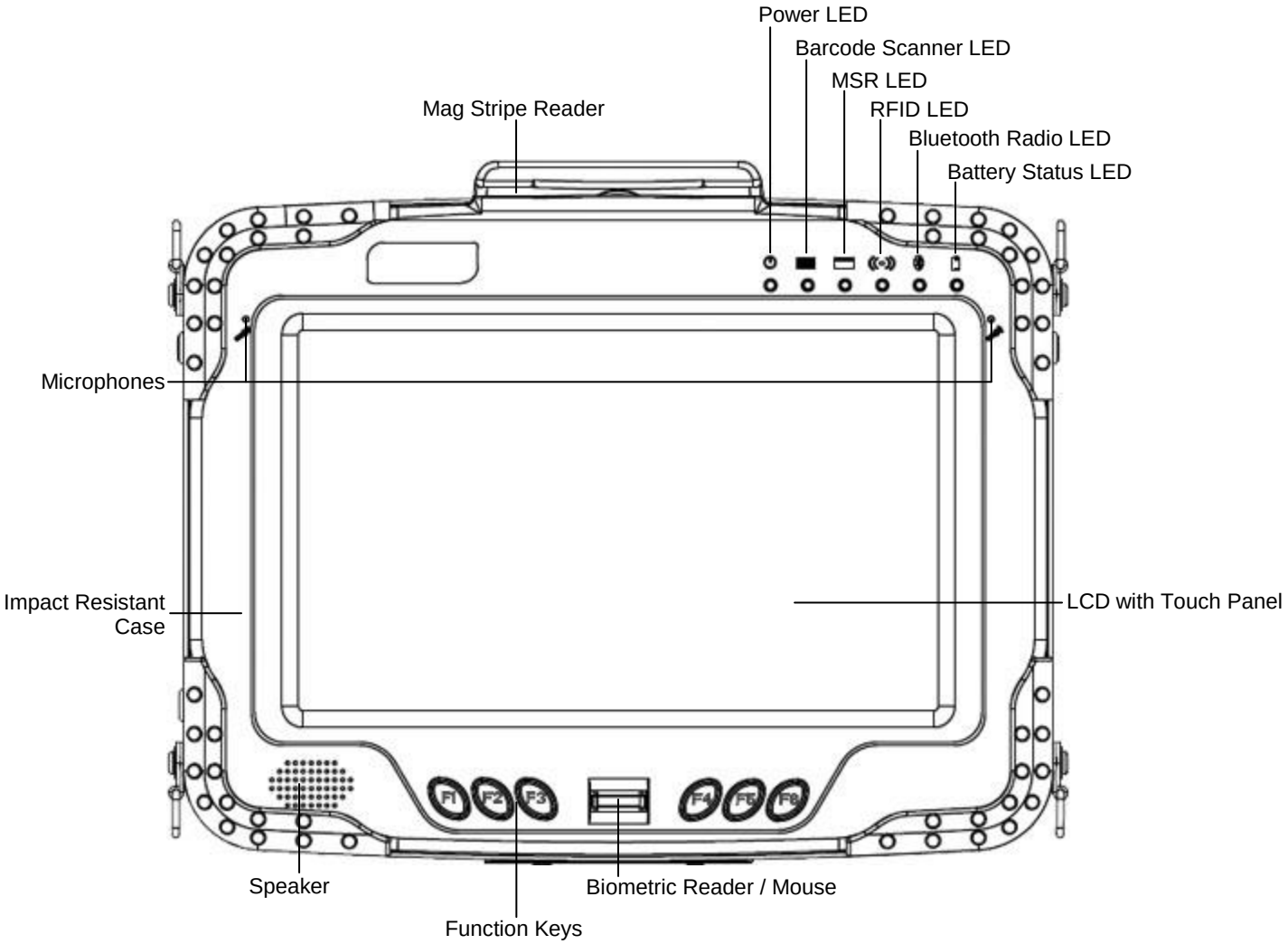
- Impact Resistant Case
- Ergonomic form factor and lightweight design
- Programmable Function Keys
- Integrated three radio technology (Wifi, Bluetooth, and Cellular)
- Boot media via SSD (Solid State Drive) or HDD (Hard Disk Drive)

DLI 8800 Peripherals and Accessories

8800-VMC-1	Vehicle Mount Cradle w/ 3-USB Locking, 3-RS232 Ports, 1-Power Locking with RAM 202U mounting ball.
8800-DTC	Desktop Cradle, 3-USB, 1-Ethernet, 1-VGA, 1-RS232, 1-Power, Dual Battery Pack Charging Slot (Requires AC Adapter with/Country-specific Line Cord)
2214014250004P	2500mAh, Lithium-Ion Battery Pack. (Spare)
5422112880900P	AC Wall Adapter Requires Line Cord
5412202880900P	In-Vehicle Power Adapter, 11~27V DC Input, 4ft Input Cable with In-Line 10AMP ATC Fuse 12ft Output Cable with Barrel Connector
8800-3B-CHG	3-Bay Battery Charger Requires AC Adapter with Country-specific Line Cord.

Hardware Overview

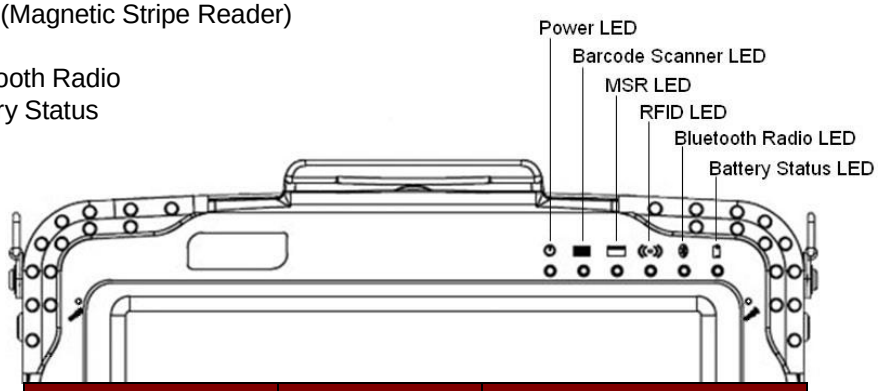
Front Panel



Front Panel Status Indicator Lights

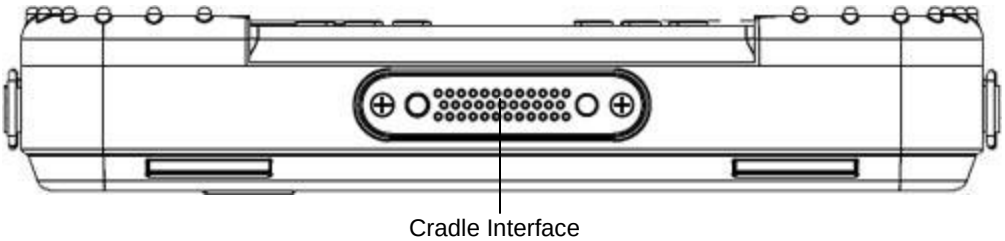
The front panel includes status indicator lights for the following:

- Power On / Off
- Barcode Scanner
- MSR (Magnetic Stripe Reader)
- RFID
- Bluetooth Radio
- Battery Status



Indicator Light	Status	Description
Power	Solid Green	Powered On
Barcode Scanner	Solid Red	Scanning
	Flash Green	Good Scan
MSR	Solid Green	On
	Flash Green	Good Read
	Flash Red	Bad Read
RFID	Solid Green	On
	Solid Amber	Searching
	Flash Green	Good Read
Bluetooth	Blinking Blue	Enabled
	No Light	Disabled or Not Available
Battery Status		Refer to Battery Status LED section. Page 9

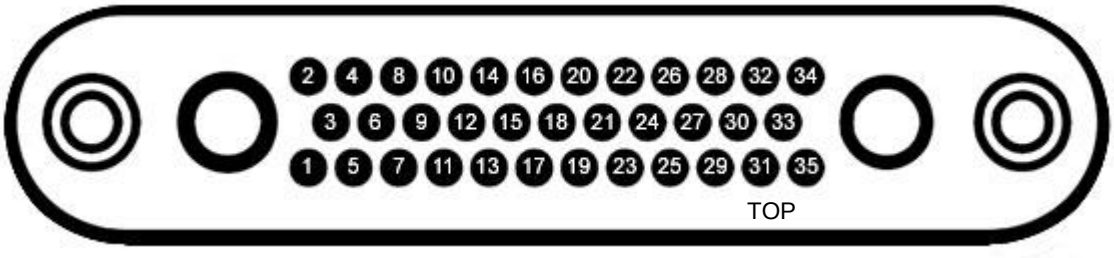
Bottom Panel



Bottom Panel Feature

- Cradle Interface Connector. When seated in a DLI 8800 peripheral, the terminal is powered, the batteries charged, and communication occurs via this connector. All DLI 8800 peripherals are designed to work exclusively with his connector.

8800 Cradle Interface

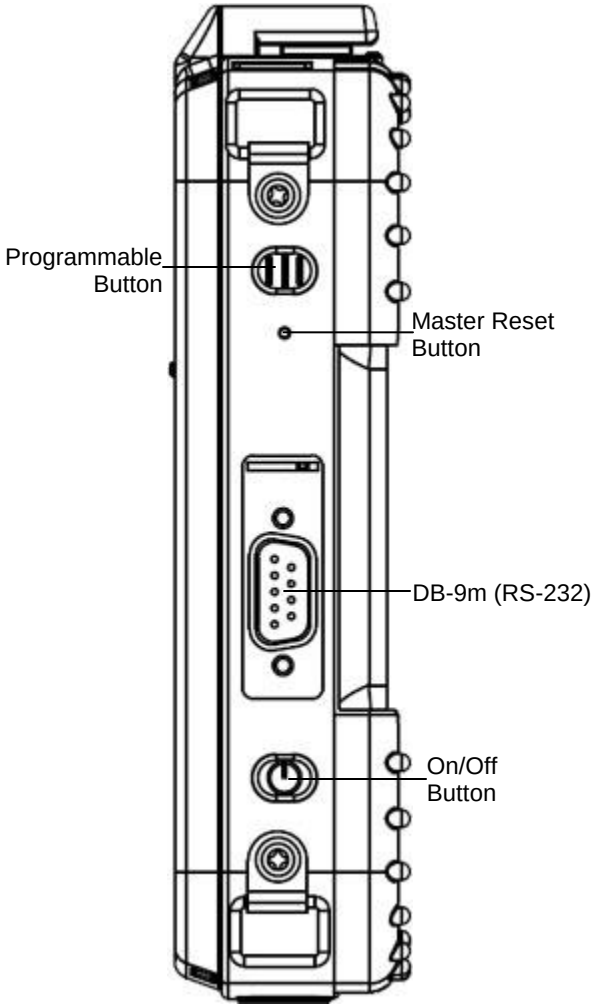


Pin#	Description
1	GND
2	GND
3	+20V DOCKING
4	LAN TRL3+
5	+20V DOCKING
6	LAN TRL3-
7	+20V DOCKING
8	LAN TRL2+
9	+3.3VS DOC
10	LAN TRL2-
11	+3.3VS DOC
12	GND
13	+5VS DOC
14	LAN TRL1+
15	+5VS DOC
16	LAN TRL1-
17	GND
18	LAN TRL0+
19	GND
20	LAN TRL0-

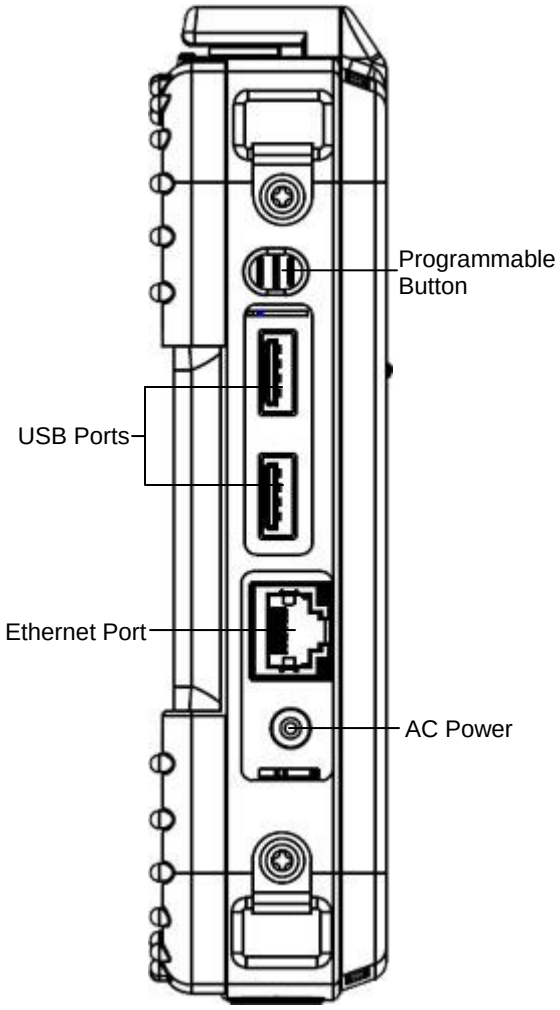
Pin#	Description
21	GND
22	GND
23	Docking GPIO1
24	H_USB5+
25	Docking GPIO2
26	H USB5-
27	Docking GPIO3
28	GND
29	Docking GPIO4
30	GND
31	Docking GPIO5
32	CRADLE IN#
33	GND
34	GND
35	GND

Side Panels

Left Side



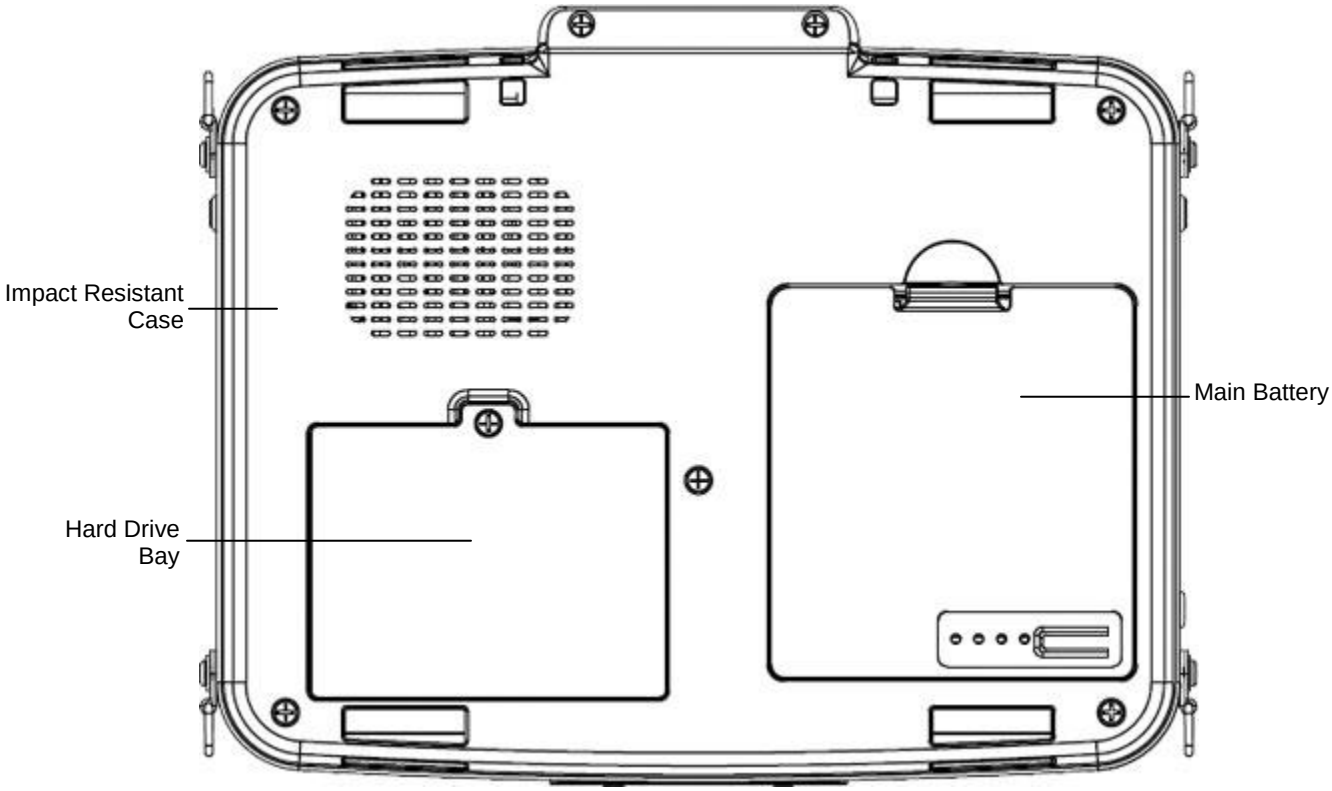
Right Side



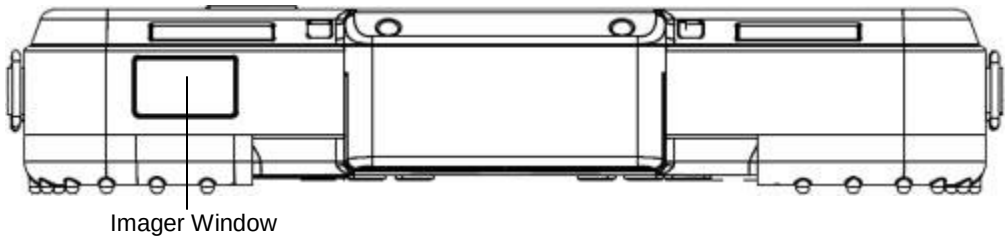
Side Panel Features

- Standard Ethernet Port (RJ-45)
- Standard Serial Port (RS-232 DB9) See Page. 29
- Standard USB, industrial grade connectors. Only DLI authorized peripherals should be attached to these USB ports. The USB port power is rated to 1A.

Back Panel



Top Panel



Setting Up the DLI 8800 Terminal

1. Unpack the carton and verify its contents. – Page 9
3. Charge the battery for 3hrs.
4. Power on the terminal via the power button on the left side of the terminal.
5. Let the device load and end on the Desktop screen.

Unpack the Carton and Verify its Contents

Verify that the carton contains the following items:

- DLI 8800 Industrial Tablet Computer (terminal)
- DLI 8800-BAT Battery

If you ordered peripherals and/or accessories, verify that they are also included with the order.

Be sure to keep the original packaging in case the DLI 8800 needs to be returned for service– See page 37.

Battery Status LED's

On Power Source (Charger)

Battery Indicator Light	Status	Description
Power	Solid Green	Powered On
Battery	Solid Green	Capacity level = 100%
	Blinking Green	Capacity level > 70%
	Blinking Yellow	Capacity level > 20% - < 70%
	Blinking red	Capacity level < 20%

Off Power Source (No Charger)

Battery Indicator Light	Status	Description
Power	Solid Green	Powered On
Battery	Solid Green	Capacity level > 70%
	Solid Yellow	Capacity level < 70% - > 20%
	Solid Red	Capacity level < 20% - > 10%
	Blinking red	Capacity level < 10%

Push Button Battery Life Status
All DLI 8800 batteries have a Battery Life Status. Push the battery symbol and LEDs show the life status. Each LED is ~25%

For charging, use only Data Ltd. Inc., DLI 8800 peripherals and the power cables. Use of peripherals or cables not sold/manufactured by Data Ltd will void the warranty and may damage the terminal.

Charging the Battery in the DLI 8800

1. Connect the DLI 8800 to the power supply provided by Data Ltd.
2. The battery will begin charging immediately
3. Charge the battery for three hours, then power on the terminal.

Due to the nature of Lithium Ion, be sure to periodically charge your batteries, as months of inactivity can have a long-term negative effect on the life of the battery.

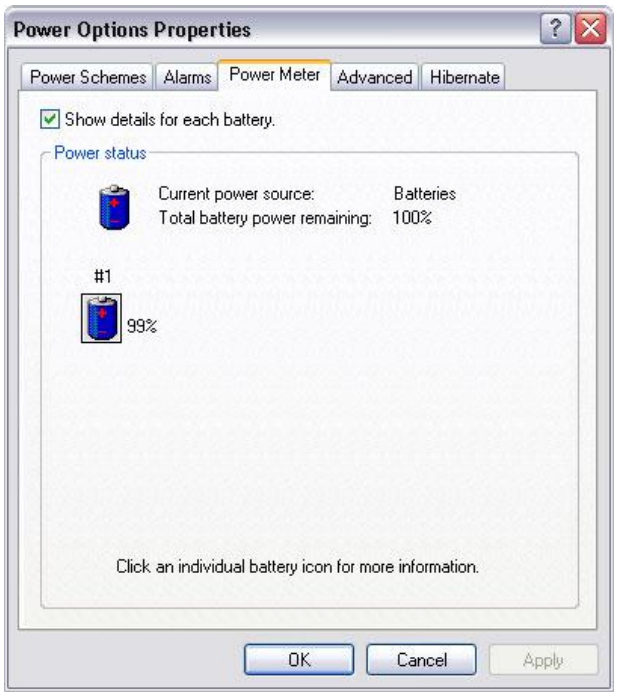
The battery will charge even if the terminal is in use as long as AC is applied to the terminal.

Checking the Battery Power

The battery power can be checked from two areas on the DLI 8800. The battery icon will provide a graphical representation of the remaining battery power.

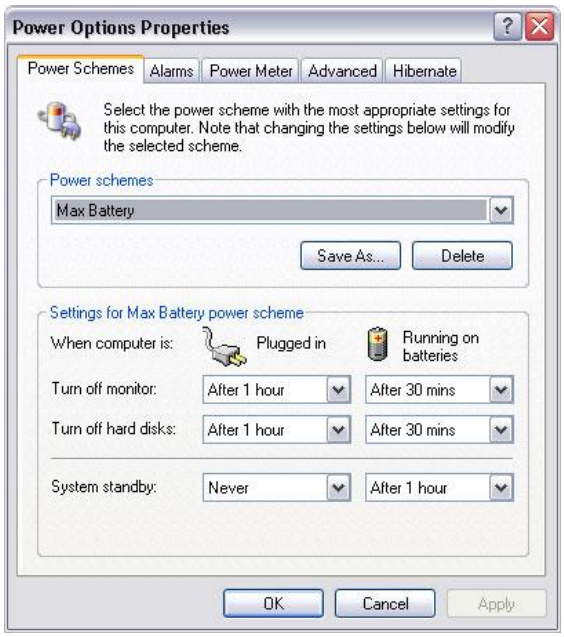
1. Tap on the battery icon in the system task bar.

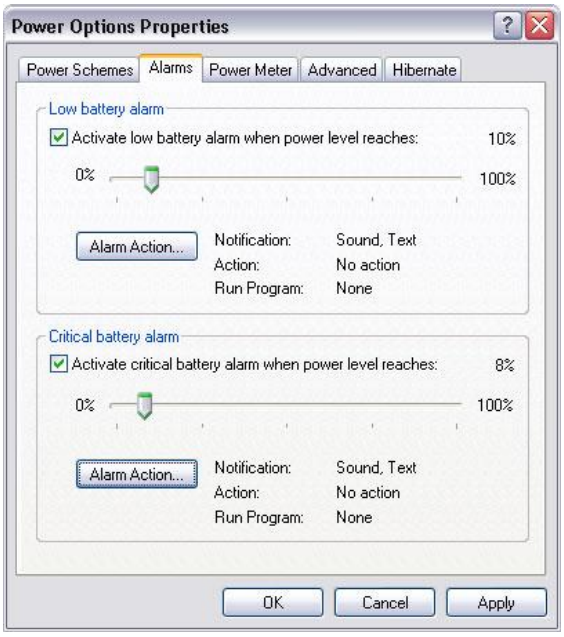
2. The power meter is also accessible via the **control panel**, tapping on **power options** and choosing the **power meter** tab



Power Management Utility

The DLI 8800 includes a comprehensive suite of power management functions. The power management is based upon the ACPI Standard (Advanced Configuration and Power Interface Specification) and is operated within the Embedded Controller (EC) at low level management. A graphical interface is supplied so that customer specific power schemes can be controlled. The Power Management Utility is accessible from the DLI Control Center application as well as from the **control panel** within Windows XP.



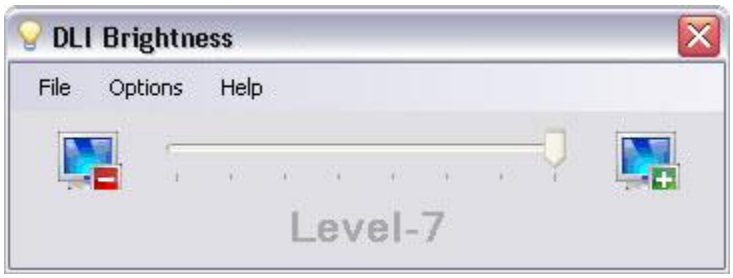


Adjusting the Backlight

Brightness levels of the liquid crystal display (LCD) are adjustable based on the lighting conditions. By default the level is set to 7. (0 being the lowest and 7 being the highest level) To adjust the level of backlight:

Start>Control Panel. Choose the DLI Brightness icon.

Tap "-" or "+" to adjust the brightness. The settings are **auto saved** after adjustment.
Tap Options>Place in system tray for quick access to this utility.



Using the Stylus

Calibrating and Using the Stylus

Calibration ensures the accuracy of the stylus and adjusts the input angle for each person who uses it. The terminal stores calibration data and settings on a per-user basis.

The stylus functions as a mouse; generally, a tap is the same as a mouse click.

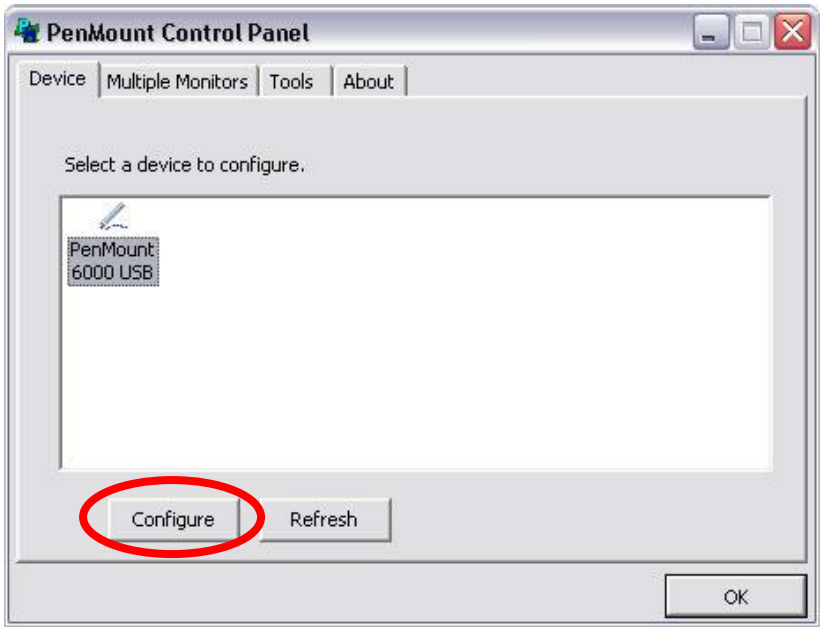
Tap:	Tap the touch screen once to open menu items and select options.
Drag:	Hold the stylus on the screen and drag across the screen to select text and images. Drag in a list to select multiple items.
Right Mouse Click:	Holding down the stylus for 3 seconds will activate the right mouse click.

Calibration:

1. Right tap on the PenMount icon in the system stray.

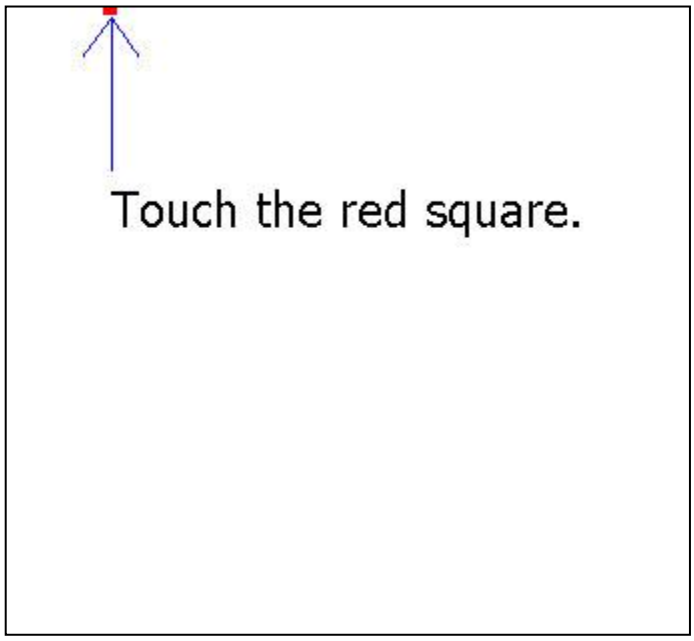
2. Select the PenMount Control Panel.

3. Chose the PenMount 6000 USB icon and tap the Configure button.

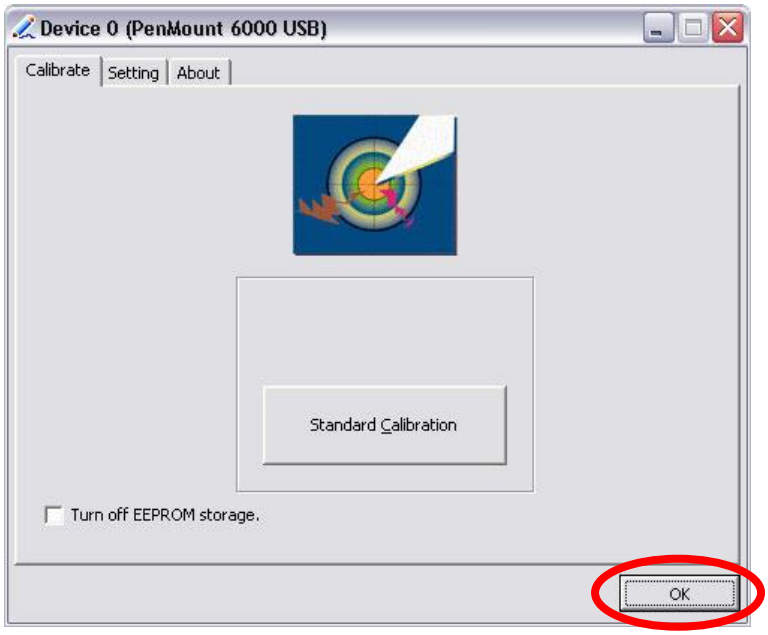


4. Tapping on the Calibration button will prompt the user to tap multiple points on the screen.

5. Hold the stylus naturally as if you were writing with a ball point pen, holding the stylus down on each red point as they appear. During calibration, position the terminal as close to the way you would use it.



6. After completion the screen returns to the Standard Calibration window. Selecting OK will save the settings. Tapping Standard Calibration will start the process again.



7. The calibration is now complete and the PenMount Control Panel window is displayed. Select OK to close the application down. The PM icon will still be present in the system tray for quick configuration should your touch screen need recalibration.

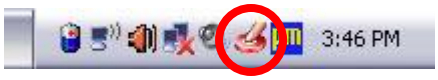
Do not write on the terminal display with ink pens or other sharp objects that may damage the display.

Using the Programmable Keys

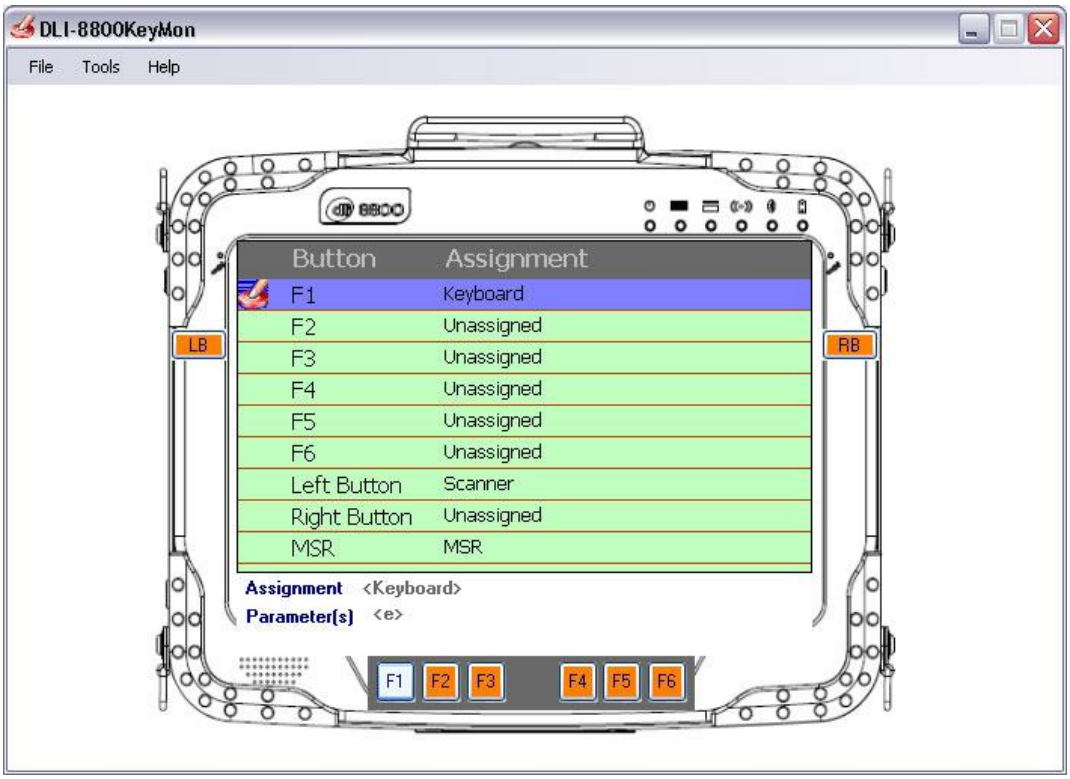
The DLI 8800 has 8 integrated function keys. Each of the keys is user configurable via the DLI KeyMon Utility. The keys can be assigned to perform executable applications or to Data Ltd. predefined functions. The predefined functions are as follows: Right button assigned to activate the imager and Left button assigned to DLI Camera.

The DLI KeyMon utility can be launched from the system tray or from the **Start>Programs>DLI>DLI KeyMon**. The procedure below will assist you in defining the keys.

1. Tap on the DLI KeyMon icon in the system tray

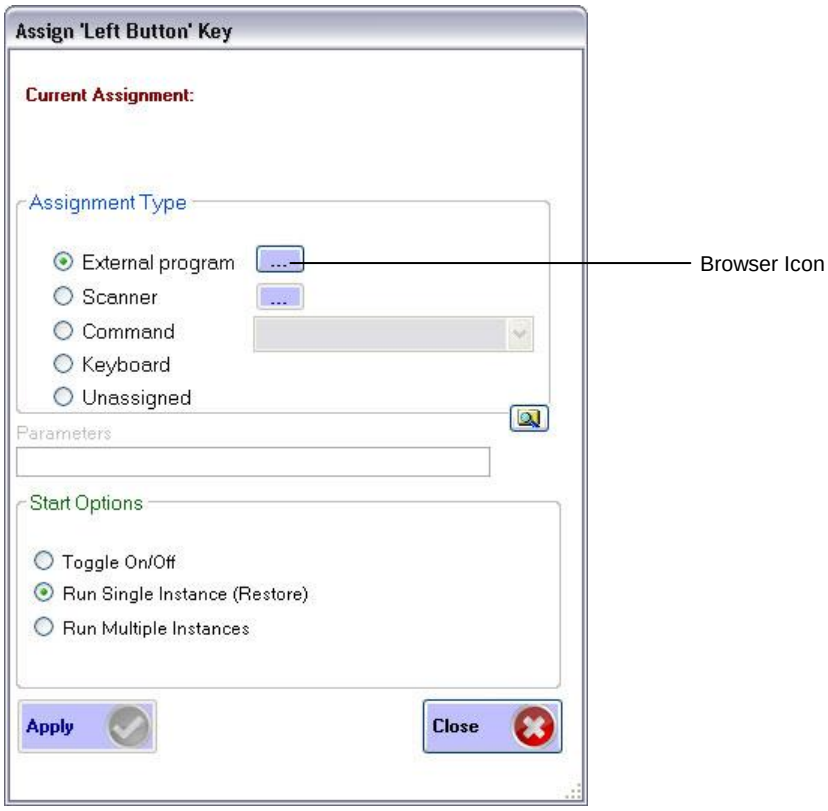


2. The DLI KeyMon screen is presented. Choose a key that requires a definition by tapping on the orange keys or by highlighting the key in the button assignment area and then double tapping.

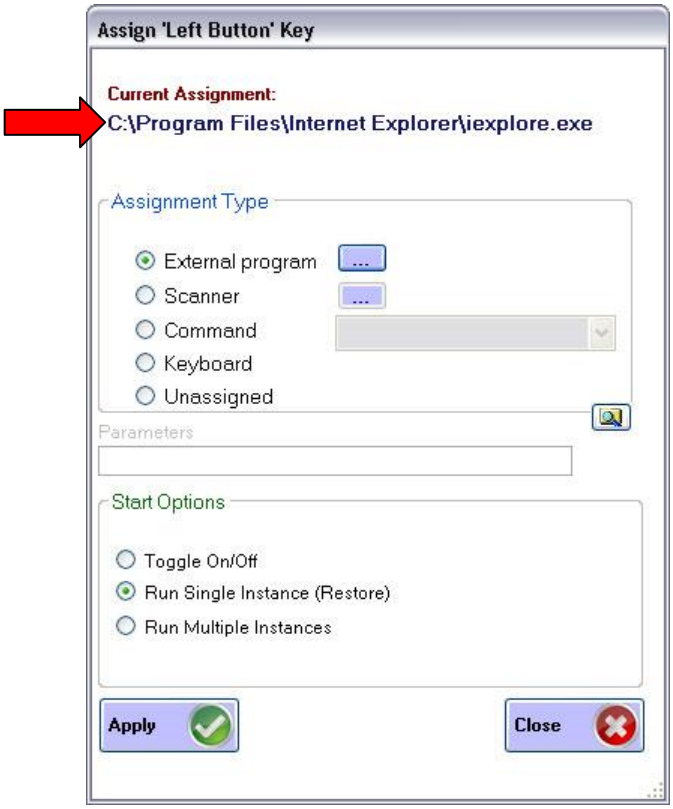


3. There are 5 options for key assignment. Choose the assignment that is required for the key.

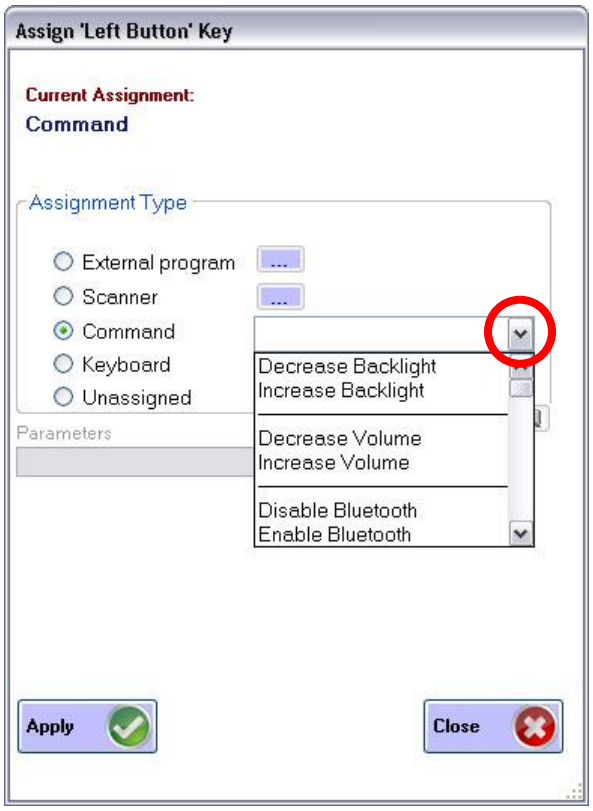
4. To assign an application choose **External program** and tap on the browser icon. (See page. 16)



5. The user is returned to the assign menu once the selection has been chosen from the browser icon. Selecting the apply button saves the change to the key. The path to the application will appear in blue below the Current Assignment:

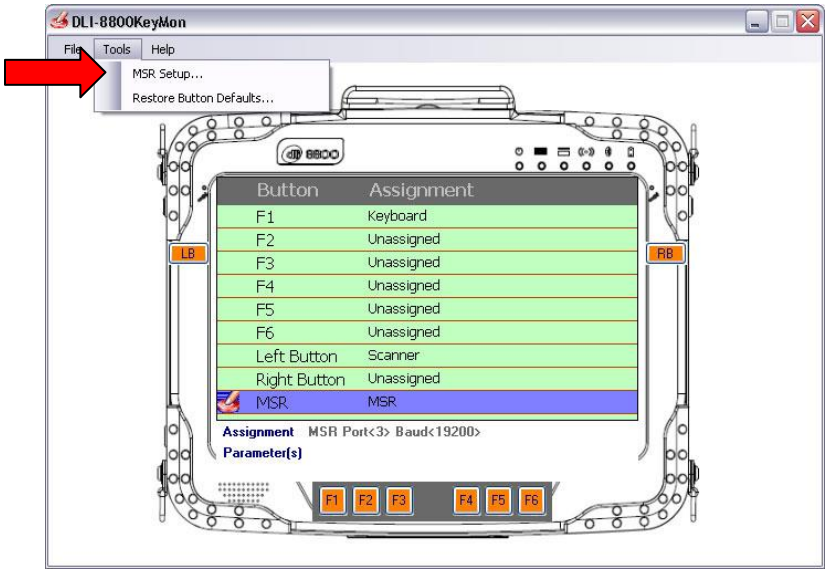


6. To select a predefined action or keystroke choose **Command** and tap the down arrow to display a drop menu.

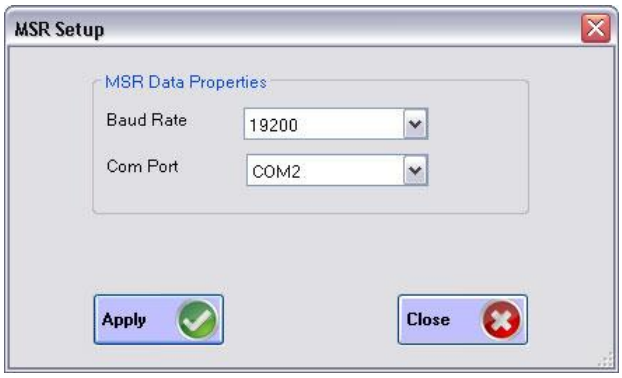


7. The drop menu has a list of various actions and keystrokes to choose from. Once you have selected the command, tap the apply button to save.

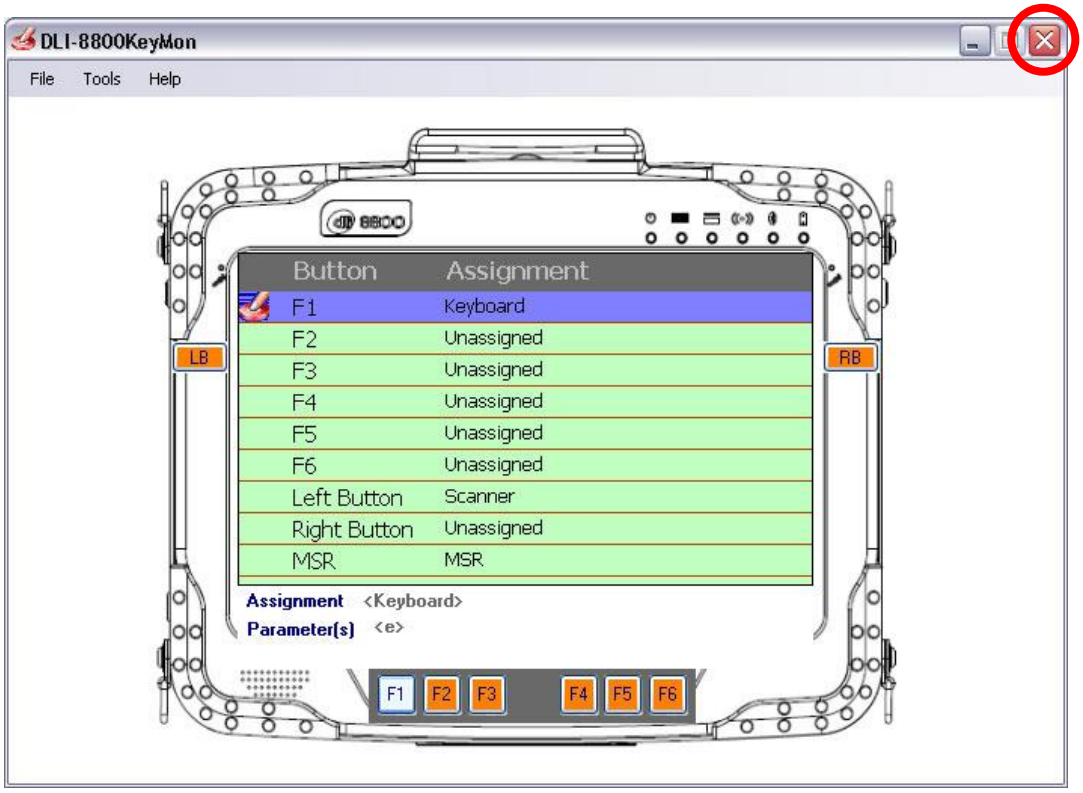
8. The DLI KeyMon program can be used to send data received by the Mag Stripe Reader (MSR) to the keyboard buffer. To setup your MSR to forward data, Select Tools then MSR Setup or by highlighting the MSR in the button assignment area and then double tapping.



9. The default MSR Data Properties are 19200 Baud Rate and COM2 for the Com Port.



10. To Close the DLI KeyMon tap on the "X" on the top right of the Main Window.



SIM Card Insertion

The SIM Card Slot is located in the battery bed of the Main Battery. The SIM Card Slot is intended for use of the MC8790 (GPRS Wireless Radio) **ONLY**. If you are unaware of what type of WWAN Radio you have please contact DLI Technical Support; (800) 526-1299 x774 or support@dataltd.com.

The unit must be power down prior to inserting the SIM card. Failure to do so may result in harm to the unit and the SIM.

Using the WiFi Radio

The DLI 8800 has two WiFi options. First is a PCI Intel 802.11a/b/g integrated radio. The other is a USB 802.11a/b/g/n integrated radio. Each radio is configured using either the Intel WiFi Connection Utility or Ralink Wireless Utility (RaUI). These programs provide features to Administrators and end-users:

- Disable the radio (turn it off) and enable the radio (turn it on)
- View the contents of configuration profiles, or profiles, each of which houses the RF, security, and other settings for the radio
- Select the profile to be used to connect to a WLAN
- View status information on the radio, the access point (AP) or WLAN router to which it is connected, and the RF connection or link between the two

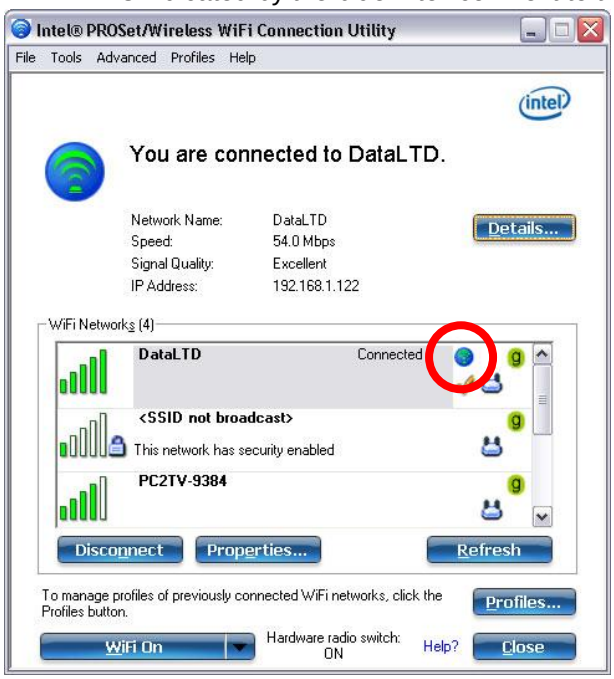
Intel PCI Integrated Radio

- Start the Intel Connection Utility by double tapping on the Utilities icon found in the task tray.

(Right clicking on the icon allows for additional options such has WiFi on or off.)

- The Intel utility window will pop up showing available networks. Highlight a network and click the "Connect" button.

- If the SSID is broadcasted and no securities are found, you will connect. Connection is indicated by the blue Intel icon next to the network.

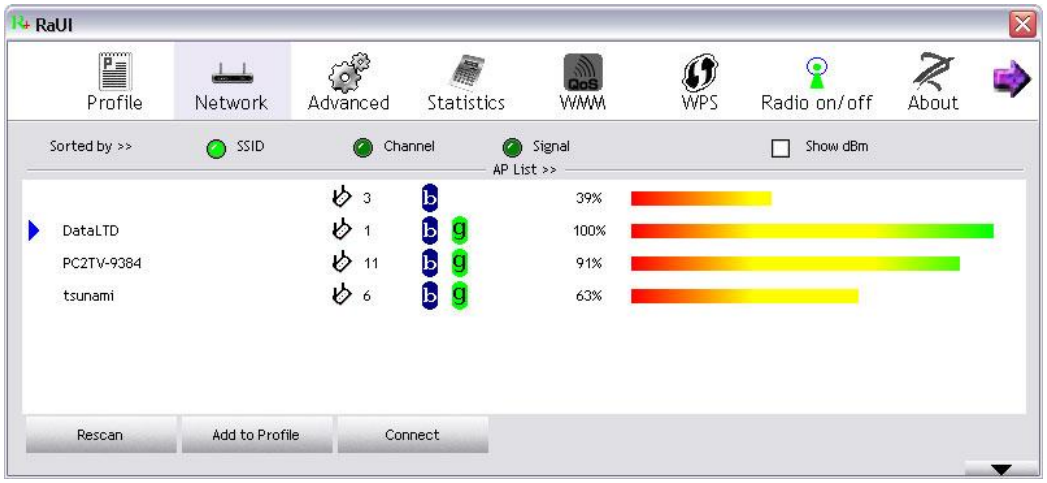


Ralink USB Integrated Radio

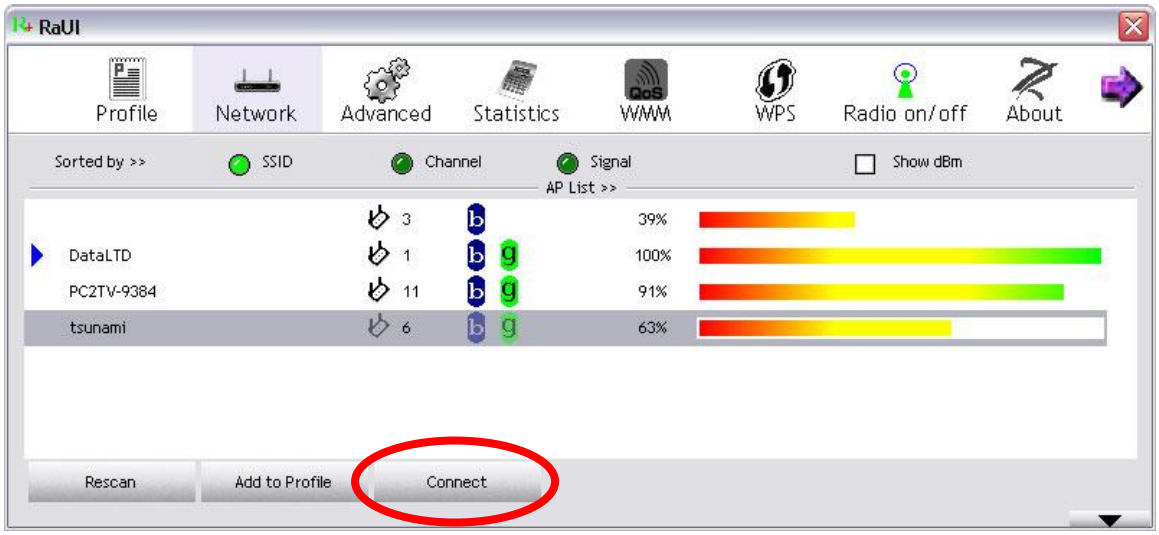
- Start the Ralink Wireless Utility by double tapping on the Ralink icon(R+) found in the task tray.

(*Right clicking on the icon allows for additional options such as using WZC or exiting Ralink.)*

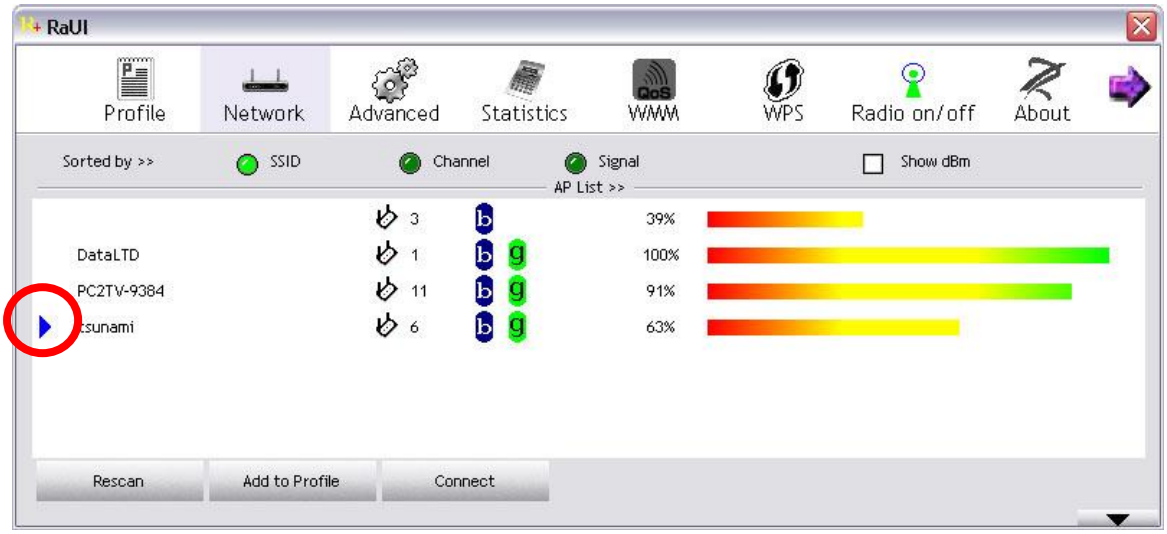
- The Ralink utility window will pop up showing the Network tab and the available networks.



- Highlight a network and click the "Connect" button.



- If the SSID is broadcasted and no securities are found, you will connect. Connection is indicated by the blue triangle next to the network.



Using the Bluetooth Radio

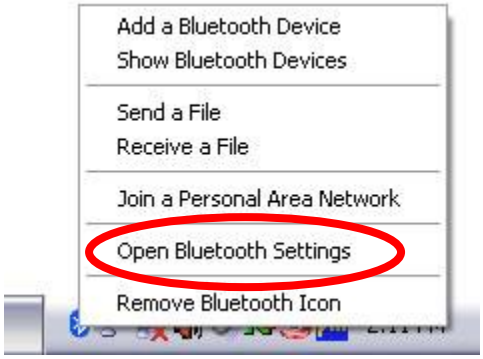
The internal Bluetooth Class II wireless radio in the DLI 8800 is disabled by default. Microsoft™ Bluetooth software comes pre-installed on your terminal.

Enabling the Bluetooth Radio

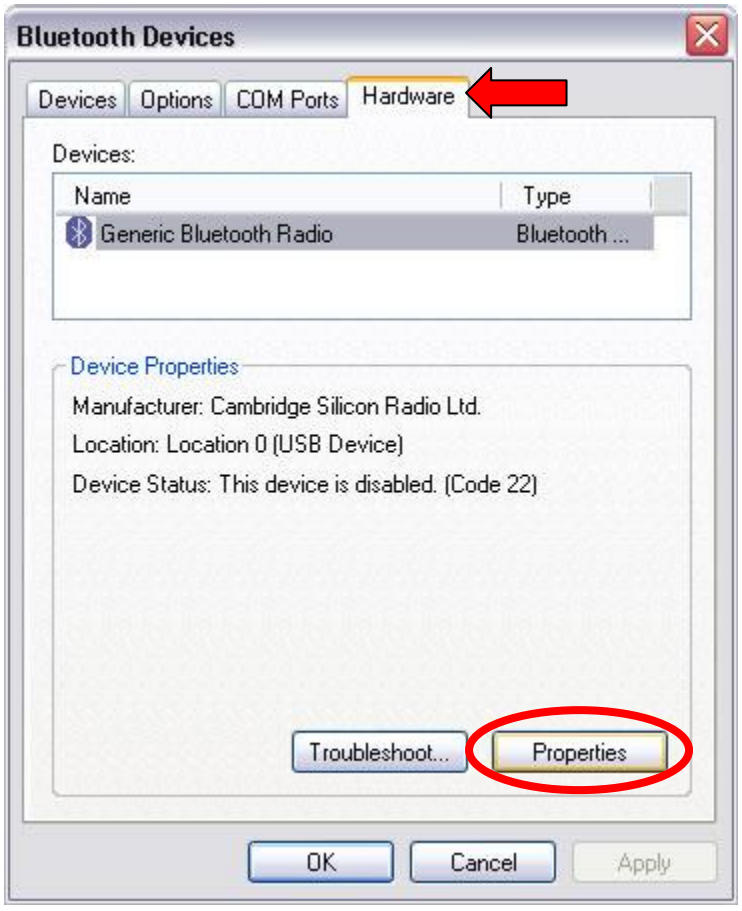
To enable the Bluetooth radio, follow the instructions below:

1. Hold the stylus on the Bluetooth icon in the system tray.

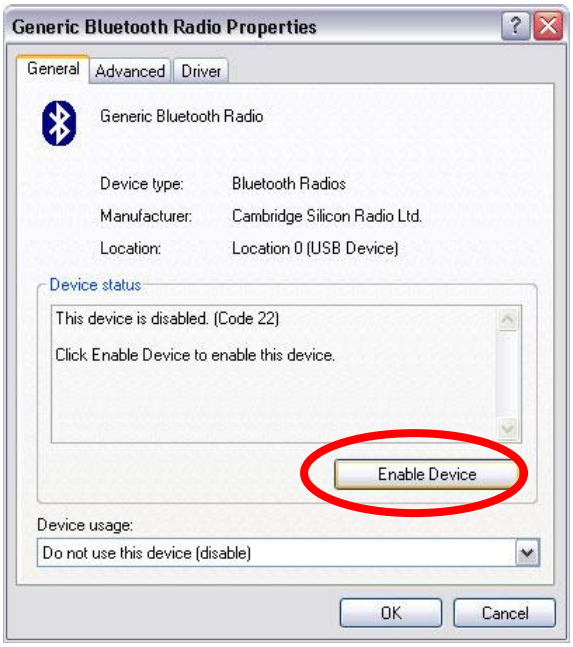
2. Select **Open Bluetooth Settings**.



3. From the tabs at the top of the screen choose the **Hardware** tab. Tap on the **Properties** button.

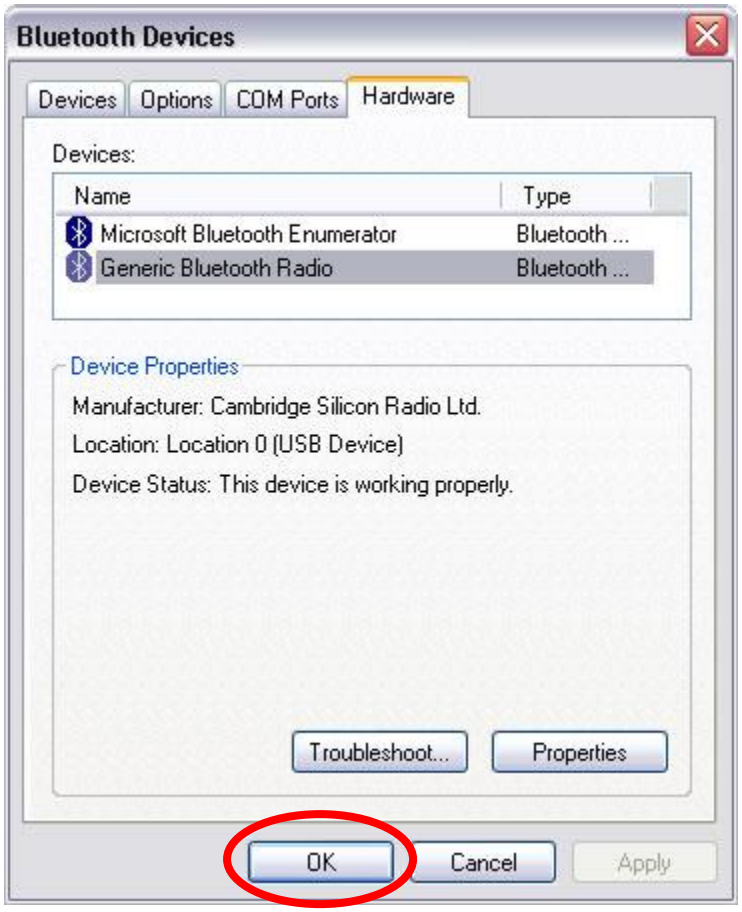


4. Select the **Enable Device** button. The enable device wizard will appear. Select the **Next** button. This may take a few seconds. The Bluetooth LED on top of the terminal will begin to flash when the radio is turned on.



5. Select the **Finish** button to end the installation process. Tap the **OK** button at the Bluetooth properties screen.

6. Tap the **OK** button to finalize the enabling process.



Bonding an Accessory to the DLI 8800

To bond a Bluetooth device to the DLI 8800 the icon in the system tray offers shortcuts to the Bluetooth Settings window; the Bluetooth File Transfer Wizard and the Add New Connection Wizard. Press and hold the stylus on the Bluetooth icon to open the Bluetooth device menu.

The following process is generally common for connecting most Bluetooth devices (keyboard, mouse, printer, cellular phone, PDA, Tablet PC, notebook PC, etc.). The actual steps may be slightly different for every type and brand of Bluetooth device. Read and follow the installation instructions included with your specific device. These are the four generic steps for connecting to a Bluetooth device.

1. Discover
2. Search
3. Pair
4. Connect

Discover
Making a Bluetooth device discoverable makes it visible to other Bluetooth devices. Each Bluetooth device uses a different method (pressing a button or key combination) to make it discoverable. This is generally described in the device's documentation. When you activate Bluetooth on your Tablet PC it is the signal for the Tablet PC to look for, or discover any Bluetooth devices within range.

Search
This process will find every Bluetooth device *that is discoverable and available for connection* within 33 feet (10 meters).

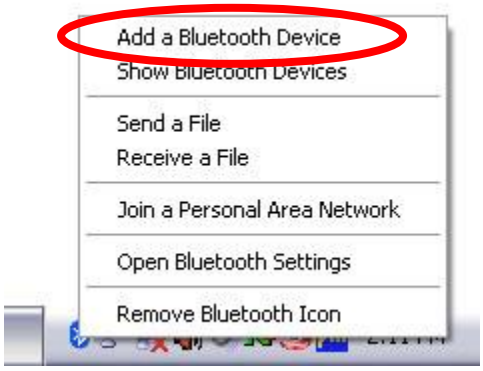
Pair
Using a passkey creates a secure connection (pairing) between the Tablet PC and Bluetooth device. This passkey helps prevent data from being intercepted and interpreted by another device.

Though the passkey exchange helps to secure your data, Bluetooth wireless technology should not be considered completely secure.

Connect
The first time a Bluetooth device is connected to the terminal the drivers are loaded for that device. After this initial connection, some Bluetooth devices may disconnect when they go into power-saving mode. Most will automatically reconnect when they become active again.

Using the Bluetooth Application

1. Make sure that either the Bluetooth indicator light is flashing or that there is a checkmark beside **Enable Internal Bluetooth Wireless Radio** (both indicate that Bluetooth is running)
2. Using your stylus, Right mouse click the **Bluetooth Devices** icon in the system tray.
3. Tap **Add a Bluetooth Device** to launch the Bluetooth **Add Bluetooth Device Wizard**.

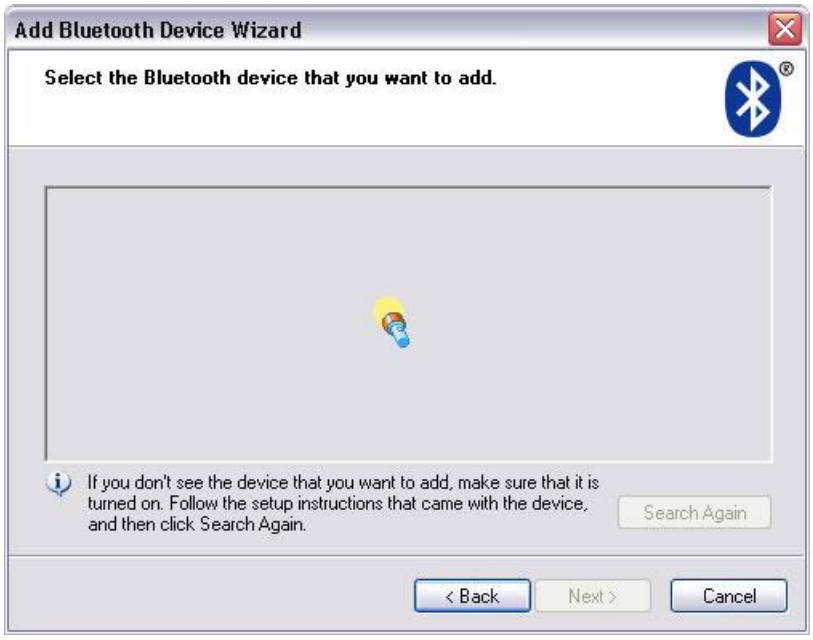


4. Place the Bluetooth device (headset, keyboard, printer, etc.) in discoverable mode.

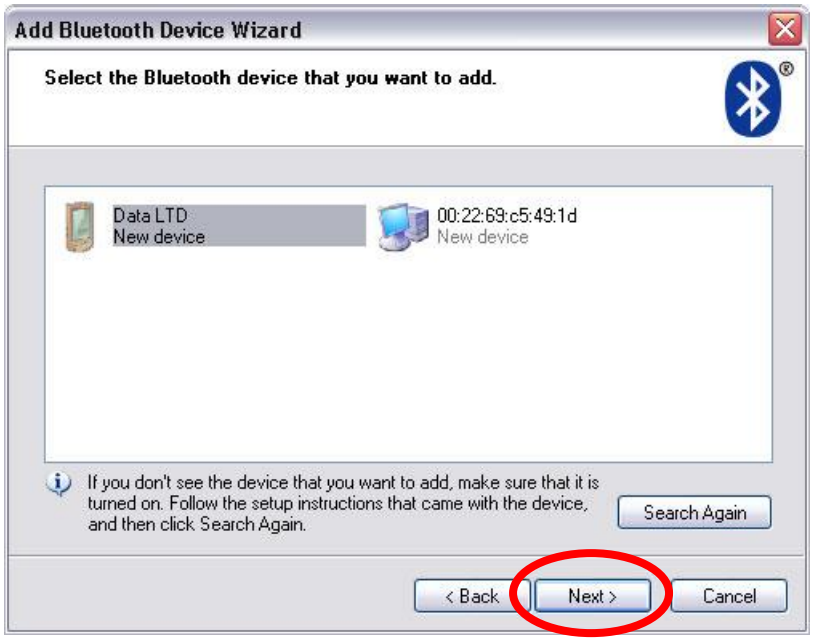
Each Bluetooth device may have a different way to make it discoverable. Some have a small button on the headset or keyboard; others may require that you press a key sequence to invoke discovery. Look at the documentation that came with the Bluetooth device or visit the manufacturer's website for information.

5. After you make the Bluetooth device discoverable, tap Next.

The **Add Bluetooth Device Wizard** will search for the Bluetooth device.



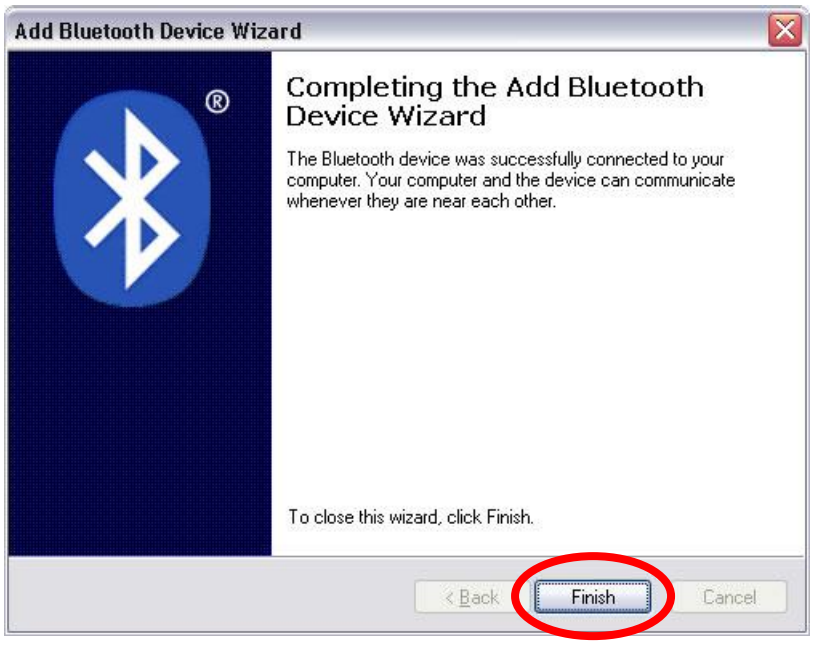
6. When the Bluetooth device is detected, it is shown in the Add Bluetooth Device Wizard Select a device window. If multiple devices are detected, each is shown in the window. Select the device to be connected. Tap **Next** to add the Bluetooth device. The wizard searches for remote device services.



The Wizard will display a message **Do you need a passkey to add your device**. If your device does not require a passkey, Windows will choose one for you. Press **Next** to continue

*If required, immediately enter the number shown in the passkey field and press **Next**. Consult your device documentation for more information.*

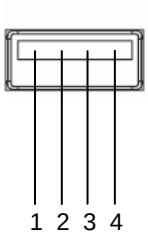
7. When the **Completing the Add Bluetooth Device Wizard** window appears, the Bluetooth installation is nearly complete. Tap **Finish** to complete the installation.



Using the USB

- Has two standard USB, industrial grade connectors. Only DLI authorized peripherals should be attached to these USB ports. The USB port power is rated to 1A.

USB Port



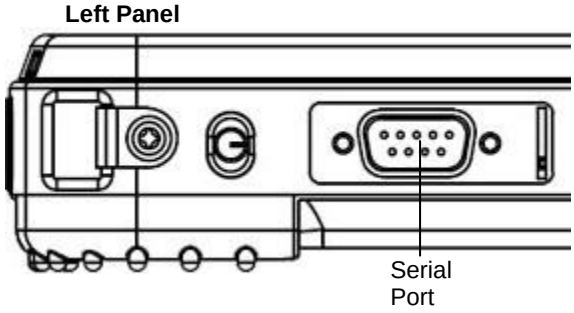
Pin #	Description
1	(+5V)
2	Data +
3	Data -
4	GND

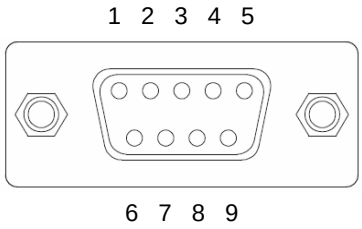
Using the RS-232 DB9M

The integrated RS-232 Port can be configured to work with many peripherals including Barcode Scanners, Printers, ODBII (Vehicle Interface), and Remote Monitoring apparatuses. To configure the RS-232 port so that the data is sent to the keyboard buffer, the following procedure is required. This procedure is typically used when using an external barcode scanner on the device.

All DLI Devices have power to Pin 9.
DO NOT plug-in or unplug any serial devices while the DLI Device is powered on!

Left Panel

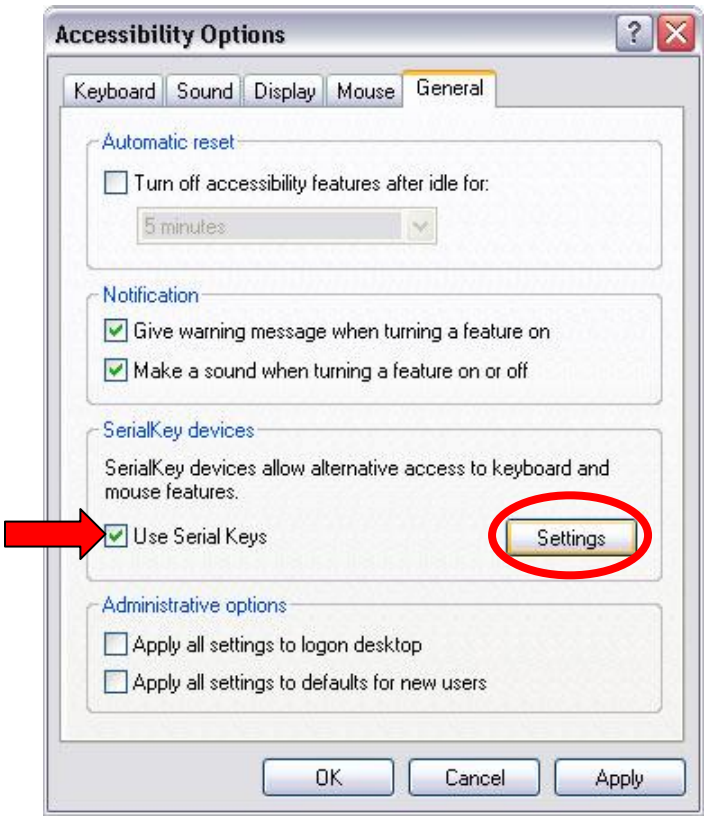




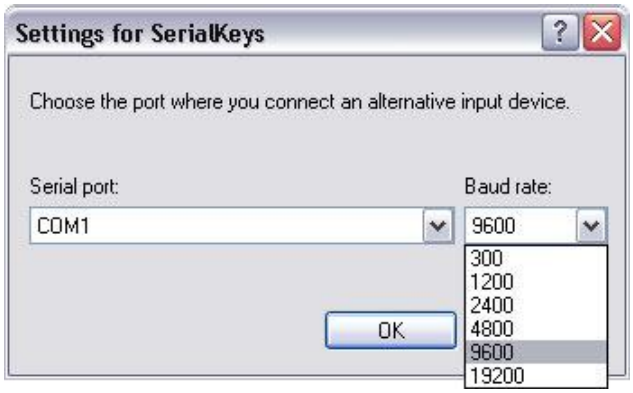
Pin	Description
1	DCD
2	TXD
3	RXD
4	DSR
5	GND
6	DTR
7	CTS
8	RTS
9	+5V

1. Open the Control Panel, tap **Start>Control Panel.**
2. Tap on Accessibility Options Icon.

3. Chose the General Tab to configure the RS-232 port and check **Use Serial Keys**. Tap the **Settings** button to access the Baud Rate and COM port that will be configured.



4. Set Serial Port to COM1 and Baud Rate to 9600, tap OK.



5. Save the settings by choosing the Apply button, then tap OK Now you can plug the device into the RS-232 port.

Using the Barcode Scanner

The DLI 8800 is available with an optional integrated barcode imager for scanning barcodes.

- Honeywell® 5300 Class 2 Standard Range Imager with Cross Hairs (Integrated)

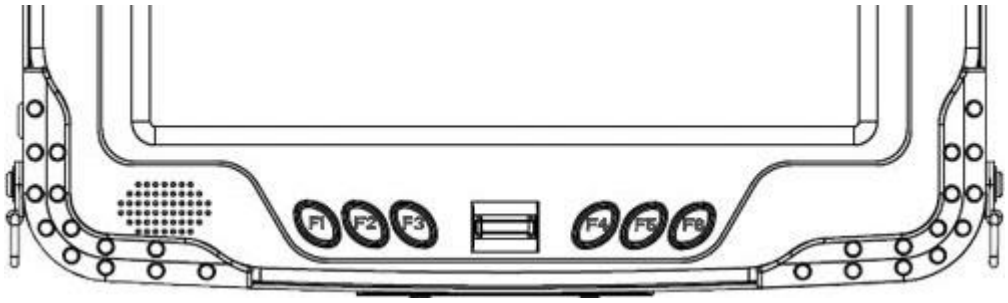
The Imager can be configured by using the DLI 8800 KeyMon (See Page 14).

To Decode a Barcode

1. Point the top of the DLI 8800 terminal directly at the barcode. The Imager faces straight out of the top panel. The Cross Hairs should be oriented in line with the bar code to achieve optimal decoding.
   (Distance from barcode should be 2 to 15 inches)
2. Project the Imager and Cross Hairs by pressing and holding the programmed scan button which is set in KeyMon(default is Left Side Button).
3. Center the cross hairs over the barcode.
4. When the barcode is successfully decoded, the decode LED lights green and the terminal beeps. (Bad read, LED lights red)
5. The bar code information is entered into the application in use.

Biometric Reader

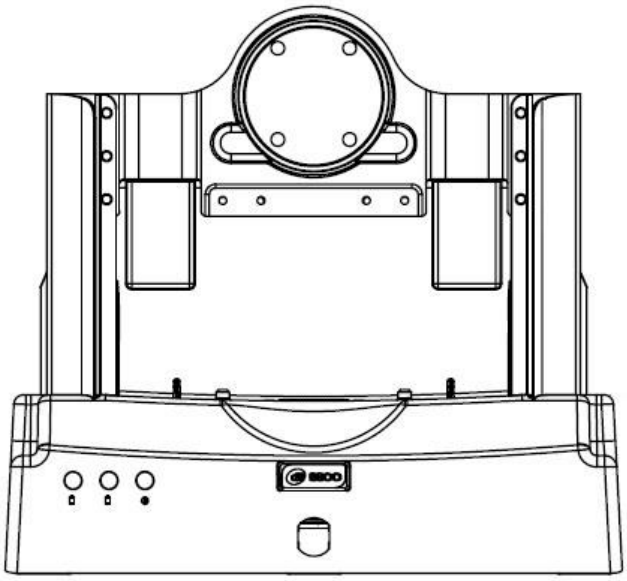
The fingerprint reader is located bottom center of the Front Panel and enables you to scan your fingerprint and associate it with passwords. This feature offers a quick and convenient way to log on to your DLI 8800 terminal, provides global password management, and protects your terminal data from unauthorized access.

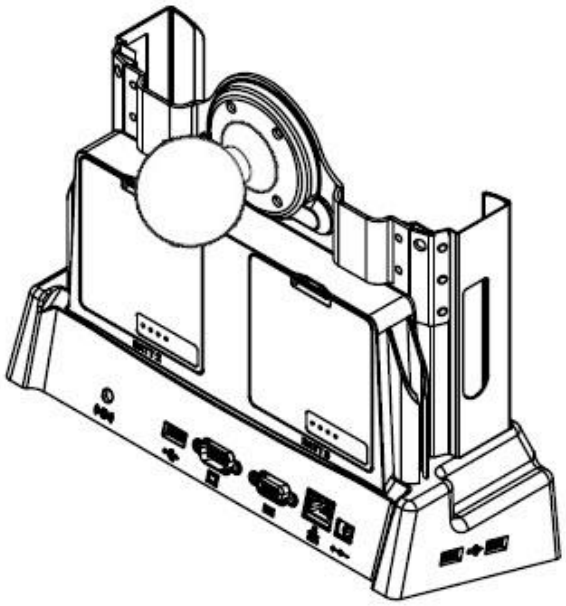


Fingerprint Scanning

or

DLI 8800 Desktop Cradle





Overview

The DLI 8800 Cradle is a Desktop and Vehicle Cradle all in one. It features a quick release locking mechanism, two bay spare battery charging, flexible mounting, and power options for all types of applications and devices. When the DLI 8800 is seated in the Cradle, the Main Battery is charged in 2 hours. When AC Power is removed from the cradle, the unit can run off the spare batteries in the cradle giving it a total of 12 hours of battery life. The patent pending RF design provides operating with ease using internal and external antennas.

Charging

The Cradle provides power to the intelligent battery charging system in the DLI 8800 that senses when a full charge has been achieved and switches to a trickle charge to maintain a full charge. The Cradle can charge all three batteries at once (Main Battery & two Spare Batteries) in about 3 hours. All three batteries can be viewed in the Power Meter in the Operating System.

Use only DLI 8800 peripherals, power cables, and power adapters. Use of peripherals, cables, or power adapters not sold/manufactured by Data Ltd. Inc. will void the warranty and may damage the terminal.

Use only Li-Ion battery packs provided by Data Ltd. Inc. The use of any battery pack not sold/manufactured by Data Ltd. Inc. will void the warranty and may damage the terminal.

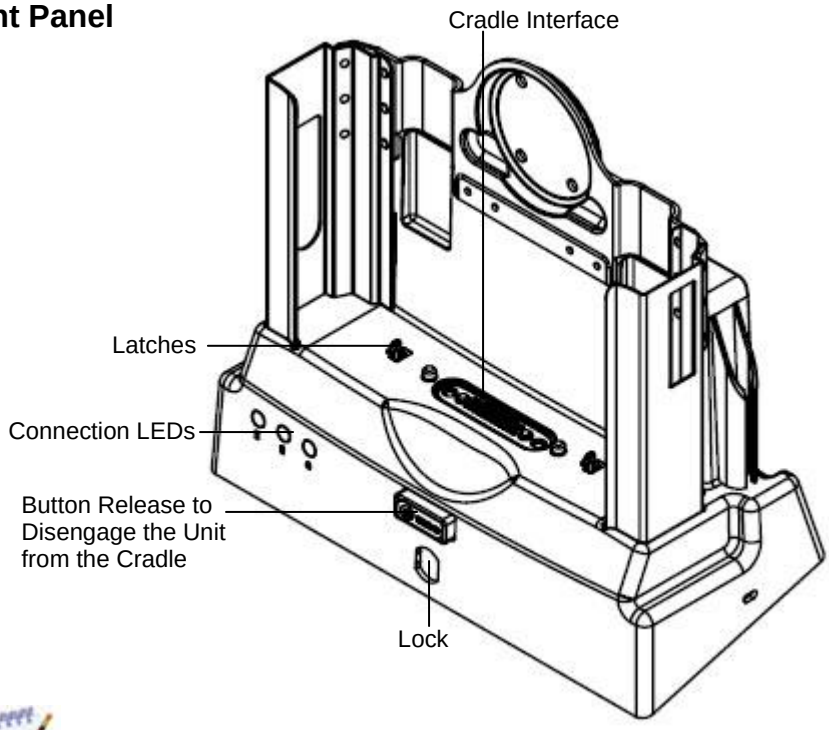
Communications

The Cradle transmits via USB 2.0 and serial devices at speeds of up to 115K baud. The Ethernet transmits at 10/100 mbps.

RF Communication

The DLI 8800 Terminal with its integrated RF switching circuit provides a pass through for the RF external connectors. This technology optimizes the ability for quick disconnect from the cradle and switches the RF signal from the cradle to the internal antennas on the DLI 8800 Terminal.

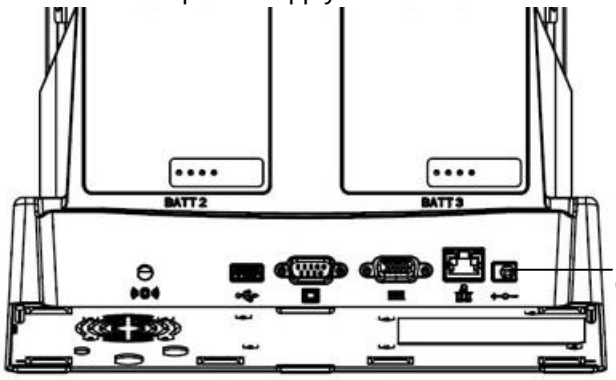
Front Panel



Solid green Connection LED indicates connection established with Terminal.

Back Panel

The I/O and the power supply connector are located on the back of the unit.



Power Supply Connector

The connector is to be used with the DLI series of power supplies. Please see below for a reference of recommended power sources.

The Cradle can be powered by an external DC power source of 18VDC~22VDC.

Verify that the power source is always within the specification range and observe correct input voltage polarity. An improper input voltage range above 22VDC or reverse polarity could damage the power conversion circuitry.

Recommended Power Supplies:

5422112880900P	AC Adapter W/Line Cord
5412202880900P	In-Vehicle Power Adapter, 11~27V DC Input, 4ft Input Cable with In-Line 10AMP ATC Fuse 12ft Output Cable with Barrel Connector

Ethernet Communication Port

The Ethernet connection supports 10/100mbps communication via a wired LAN. Standard Ethernet cables can be use to attach the cradle to a host system.

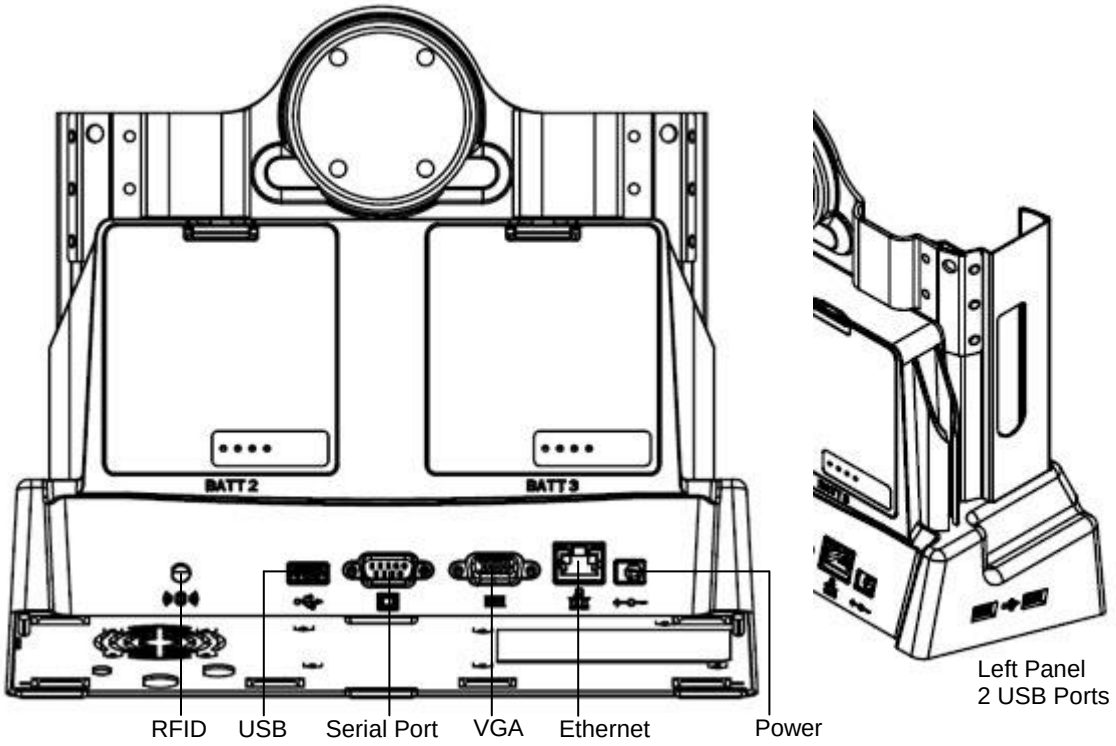
VGA Port

The VGA Connector is for an external display to transfer or mirror what is being displayed on the DLI Device.

Quick Release RF Connectors

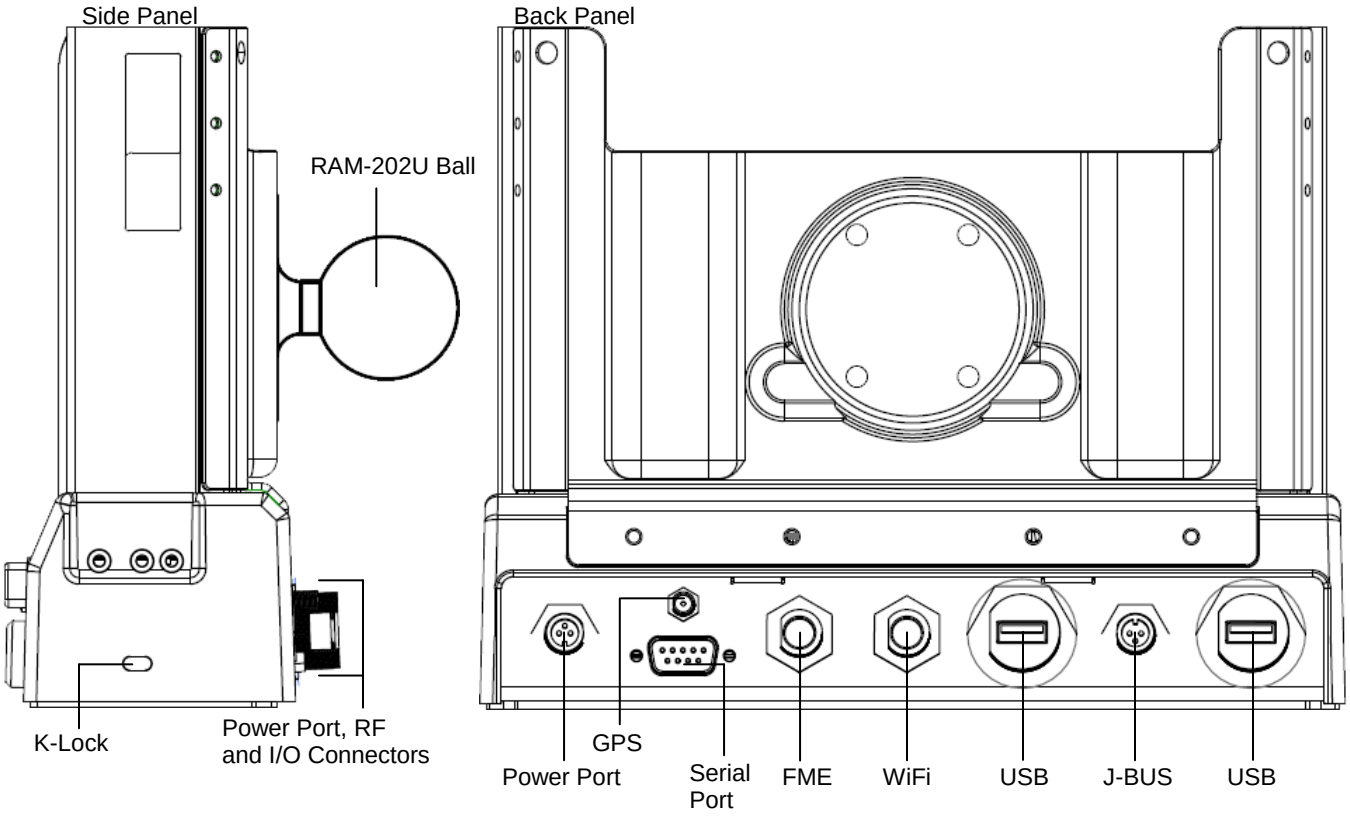
The Vehicle Cradle patent pending quick release RF connectors provide a switching pass through to the RF connectors on the bottom of the cradle. The 2 options available are FME for cellular support and SMA for GPS support. Should you require a custom connection please consult your distributor or Data Ltd. sales representative.

Connector Locations



Installing the Vehicle Mount Cradle

Mounted to the back panel of the Vehicle Cradle is a RAM-202U ball. RAM mounting arms are available for a variety of secure options. When selecting a location to mount the cradle, keep in mind that the power supply, RF connectors and I/O point straight out of the back panel.



Please ensure that you give a minimum of 2.75 inches of clearance from the base and back of the cradle. Proper cable routing and clearance will help with less strain on cables and connectors, while also allowing for better access to the ports.

Cradle Power Filtering DC Converter

The DLI 8800 Cradle has an optional 10~60V DC/DC Converter. **The DLI 8800 Cradle must be installed pre-ignition (directly to battery terminals) with a 10AMP in-line fuse. Failure to connect to battery terminals could damage the power conversion circuitry.**

DC Converter: 10~60V Input		
Red		Positive
Black	Tie together	Ground
Yellow		

Please consult your fork truck manufacturer for proper installation instructions. DO NOT connect power to the hydraulics!

We recommend installation by trained service personnel only. The fuse should be installed in the positive lead within 5 inches of the battery positive (+) terminal.

Shipping your DLI Device

Proper way to pack your DLI device

DO NOT ship any DLI Device without a proper UPS or FedEx container. The DLI Container is not meant for stand-alone shipping.

- Place device in foam cover as shown.

- Place the wrapped DLI device in the correct position in the spacer inside the DLI Container.

- Using a proper UPS or FedEx container, line the bottom with Bubble Wrap, Air Pillows, Packing Foam, etc.

The dimensions of the box shown are 27x17x10.

- Fill the rest of the Shipping Container with packing material.

- Place the closed DLI container inside the lined Shipping Container.

- Seal the Shipping Container and ship to:
  Data LTD
  703 Data Ltd Parkway
  La Porte, IN 46350

Technical Assistance

If you need assistance installing or troubleshooting, please call your DLI Vendor or the Data Ltd. Inc. Technical Support Office.
North America/Canada:
Telephone: (800) 526-1299, Ext 774 (8 AM to 4 PM CST)
Fax number: (219) 362-1937
E- mail: support@dataltd.com
Website: http://www.dataltd.com/html/support-ticket.html

Product Service and Repair

Data Ltd. Inc. provides service for all its products through service centers throughout North America. To obtain warranty or non-warranty service, return the unit to Data Ltd. Inc. (postage paid) with a copy of the dated purchase record attached. Contact the appropriate location below to obtain a Return Material Authorization number (RMA #) before returning the product.
Telephone: (800) 526-1299 ext 723
Fax number: (219) 362-1937
E-mail: RMA@dataltd.com
Website: http://www.dataltd.com/html/request-rma.html

Limited Warranty

Data Ltd. Inc. warrants its products to be free from defects in materials and workmanship and to conform to Data Ltd. Inc. published specifications applicable to the products purchased at the time of shipment. This warranty does not cover any product which is (i) improperly installed or used; (ii) damaged by accident or negligence, including failure to follow the proper maintenance, service, and cleaning schedule; or (iii) damaged as a result of (A) modification or alteration by the purchaser or other party, (B) excessive voltage or current supplied to or drawn from the interface connections, (C) static electricity or electro-static discharge, (D) operation under conditions beyond the specified operating parameters, or (E) repair or service of the product by anyone other than Data Ltd. Inc. or its authorized representatives.

This warranty shall extend from the time of shipment for the duration published by Data Ltd. Inc. for the product at the time of purchase ("Warranty Period"). Any defective product must be returned (at purchaser's expense) during the Warranty Period to Data Ltd. Inc.'s factory or authorized service center for inspection. No product will be accepted by Data Ltd. Inc. without a Return Materials Authorization, which may be obtained by contacting Data Ltd. Inc. In the event that the product is returned to Data Ltd. Inc. or its authorized service center within the Warranty Period and Data Ltd. Inc. determines to its satisfaction that the product is defective due to defects in materials or workmanship, Data Ltd. Inc., at its sole option, will either repair or replace the product without charge, except for return shipping to Data Ltd. Inc..

EXCEPT AS MAY BE OTHERWISE PROVIDED BY APPLICABLE LAW, THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER COVENANTS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, ORAL OR WRITTEN, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

DATA LTD. INC'S RESPONSIBILITY AND PURCHASER'S EXCLUSIVE REMEDY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT. IN NO EVENT SHALL DATA LTD. INC. BE LIABLE FOR INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, AND, IN NO EVENT, SHALL ANY LIABILITY OF DATA LTD. INC'S ARISING IN CONNECTION WITH ANY PRODUCT SOLD HEREUNDER (WHETHER SUCH LIABILITY ARISES FROM A CLAIM BASED ON CONTRACT, WARRANTY, TORT, OR OTHERWISE) EXCEED THE ACTUAL AMOUNT PAID TO DATA LTD. INC. FOR THE PRODUCT. THESE LIMITATIONS ON LIABILITY SHALL REMAIN IN FULL FORCE AND EFFECT EVEN WHEN DATA LTD. INC. MAY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH INJURIES, LOSSES, OR DAMAGES. SOME STATES, PROVINCES, OR COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

All provisions of this Limited Warranty are separate and severable, which means that if any provision is held invalid and unenforceable, such determination shall not affect the validity of enforceability of the other provisions hereof.

Data Ltd. Inc., Inc. extends these warranties only to the first end users of the products. These warranties are non-transferable.

The limited duration of the warranty for the DLI 8800 is as follows:

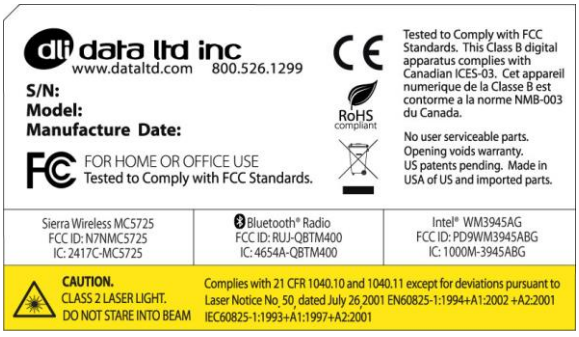
- DLI 8800 terminal with integrated modules are covered by a one-year limited warranty.
- Touch screens are covered by a one-year limited warranty.
- DLI 8800 Vehicle Mount Cradle, 3-Bay Battery Charger, and 3-Way Battery Adapter Cable, are covered by a one-year limited warranty.
- The limited duration of the warranty for batteries is one year. Use of any battery not sold/ manufactured by Data Ltd. Inc. may damage the terminal and/or the battery and will void the warranty. Batteries returned to Data Ltd. Inc. in a reduced state may or may not be replaced under this warranty. Battery life will be greatly increased when following the battery instructions in the DLI 8800 User's Guide.
- Use of any peripheral not manufactured/sold by Data Ltd. Inc. will void the warranty. This includes but is not limited to: cables, power supplies, cradles, and docking stations.

Regulatory and Safety Approvals for the DLI 8800

DLI 8800 terminal meets or exceeds the requirements of all applicable standards organizations for safe operation. However, as with any electrical equipment, the best way to ensure safe operation is to operate them according to the agency guidelines that follow. Please read these guidelines carefully before using your DLI 8800 terminal.

Embedded Safety Information Text

The DLI 8800 has the following safety information on the back label of the terminal



DLI 8800 RF terminal is designed to comply with the most current applicable standards on safe levels of RF energy developed by the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) and has been recommended for adoption by the Federal Communications Commission (FCC).

The compliance labels are located on the back of the unit:

DLI 8800 WPAN (Bluetooth)

DLI 8800 802.11 A/B/G

DLI 8800 WWAN

(CDMA Sierra Wireless Radio) Verizon®

(GPRS Sierra Wireless Radio) AT&T®

CE The CE Mark on the product indicates that the system has been tested to and conforms to the provisions noted within the 89/336/EEC Electromagnetic Compatibility Directive and the 73/23/EEC and 93/68/EEC Low Voltage Directive.

For further information, please contact:

Data Ltd. Inc.
703 Data Ltd Parkway
P.O. Box 761
La Porte, IN 46352 USA
(800) 526-1299

Data Ltd. Inc. shall not be liable for use of our product with equipment (i.e., power supplies, personal computers, etc.) that is not CE marked and does not comply with the Low Voltage Directive

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet helpful: “Something About Interference.” This is available at FCC local regional offices. Our company is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by our company. The correction is the responsibility of the user. Use only shielded data cables with this system. In accordance with FCC 15.21, changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. To maintain compliance with FCC RF exposure guidelines for body-worn operation, do not use accessories that contain metallic components.

When using accessories where the terminal is worn on the body, the terminal’s touch screen must face away from the body.

CAUTION! *Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment*.

Canadian Compliance

This Class B digital apparatus complies with Canadian ICES-003. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) installed outdoors is subject to licensing.

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

For European Community Users

Data Ltd. Inc. complies with Directive 2002/69/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on waste electrical and electronic equipment (WEEE).

Waste Electrical and Electronic Equipment Information

This product has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment, if not properly disposed.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems for product disposal. Those systems will reuse or recycle most of the materials of the product you are disposing in a sound way.

The crossed out wheeled bin symbol informs you that the product should not be disposed of along with municipal waste and invites you to use the appropriate separate take-back systems for product disposal.

If you need more information on the collection, reuses, and recycling systems, please contact your local or regional waste administration.

You may also contact your supplier for more information on the environmental performances of this product.

Data Ltd. Inc.
703 Data Ltd. Parkway
P.O. box 761
La Porte, IN 46350

Telephone: (800) 526-1299
Fax number: (219) 362-1937